

**PRINTING**

6 Colors Flexographic Printing Machine

Six-colour flexographic press, 600 mm web, up to 70 m/min printing — double unwind and rewind, automatic tension and web guide.

**6 (6+0, 5+1, 4+2, 3+3)**

COLOURS

550 mm

MAX. PRINTING WIDTH

10 – 70 m/min

PRINTING SPEED

220 – 1000 mm

REPEAT LENGTH

A six-colour flexographic press with double unwinder and double rewinder, automatic tension control by magnetic powder brake, automatic web guide and air shafts throughout. The printing cylinders raise and lower pneumatically when the machine stops and starts, protecting the plate and preventing ink marking on the web.

The press handles non-woven fabric, paper, PVC, OPP, BOPP, PE, NY, PET and CPP, making it suitable both for film produced on an ABA line and for bought-in substrates.

MAIN PARAMETERS

Model	QTL6600
Max. width of material	600 mm
Max. width of printing	550 mm
Material	Non-woven fabric 15–120 g · Paper 17–300 g/m ² · PVC 15–120 µm · OPP 10–100 µm · BOPP 10–100 µm · PE 20–150 µm · NY 25–120 µm · PET 10–100 µm · CPP 15–100 µm
Printing colours	6 colours (6+0, 5+1, 4+2, 3+3)
Printing repeat length	220 – 1000 mm
Mechanical speed	10 – 90 m/min
Printing speed	10 – 70 m/min
Thickness of plate	1.14 / 1.7 / 2.28 / 2.54 / 2.94 mm resin plate (3.94 mm rubber plate)
Machine weight	3,600 kg
Overall dimensions (L×W×H)	4.8 × 1.6 × 3.0 m
Voltage	380 V, 3 PH, 50 Hz

UNWIND UNIT — DOUBLE UNWIND

Max. length of roller	600 mm
Max. diameter of unwind	Ø 600 mm
Type of unwind	Automatic tension with magnetic powder brake
Unwinder EPC	1 set
Air shaft	2 pcs
Magnetic powder	2.5 kg × 2 pcs
Axis core diameter	Ø 76 mm

TRACTION UNIT

Constitution of traction	Aluminium roller, chrome-plated roller
Traction zones	2 zones

PRINTING UNIT

Constitution of printing	Rubber roller, metal anilox roller, printing cylinder, chromed bottom roller
Printing cylinder	220 – 1000 mm (one set of 400 mm supplied as standard)
Material of plate	Resin or rubber
Principle of work	Helical gears, belt drive
Adjusting of register	Manual
Overprint precision	± 0.25 mm
Plate-glued roller adjusting	Pneumatic
Metal anilox roller	6 pcs
Corrosion resistant rubber roller	6 pcs

HEATING & DRYING UNIT

Type of heating and drying	Blowing first, then heating
Power of heating	20 kW — large central drying box plus per-station drying

ELECTRICAL PARTS

Main motor	4 kW
Ink-transfer motor	6 pcs
Inverter	3.7 kW (one inverter equipped with the main motor)

REWIND UNIT — DOUBLE REWIND

Max. width of material	600 mm
Max. diameter of rewind	Ø 600 mm
Type of rewind	Automatic tension with magnetic powder brake
Receiving shaft	Air shaft, 2 pcs

Magnetic powder with fan	5 kg × 2 pcs
Axis core diameter	Ø 76 mm

BRAND SPECIFICATION

Contactors	CHNT
Breaker	CHNT
Mini relay	OMRON
Temperature controller	OMRON
Automatic EPC device	China
Inverter	Delta
Main motor	INNOMOTICS
Rubber roller	YUNCHENG, China
Button switch	SCHNEIDER
Main bearing	NSK

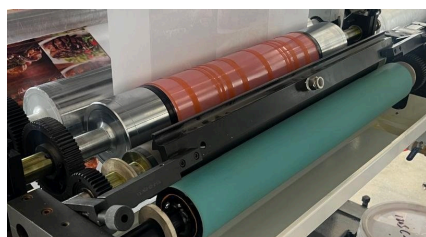
KEY FEATURES

- Automatic tension, automatic web guide and air shafts on both unwind and rewind.
- Height-adjustable ink tray with ink cover; corrosion resistant rubber roller and ceramic anilox roller, single doctor blade available as an option.
- Helical gear drive with colour register adjustment.
- Circulation wind dryer between stations.
- NSK bearings throughout.
- Printing roller base and all gears phosphate treated for corrosion protection.
- Printing cylinders raise and lower pneumatically and automatically when the machine stops and starts.
- Delta inverter and Omron temperature controller.

OPTIONAL

- Single doctor blade
- Additional printing cylinder sizes (220 – 1000 mm)

PHOTOGRAPHS



Printing station



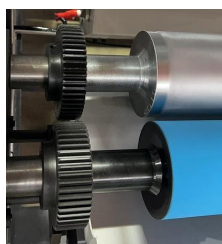
Tension and web-guide controls



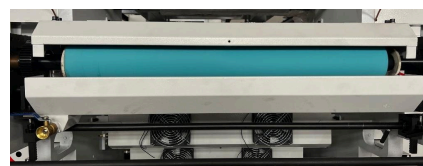
Circulation wind dryers



Helical gear drive



Anilox and rubber rollers



Height-adjustable ink tray



Air shaft and web guide

WARRANTY & AFTER-SALES SERVICE

Every machine carries a warranty of one (1) year from the date of commissioning, covering the repair or replacement of parts in case of manufacturing defects. It does not cover malfunctions resulting from misuse, neglect or external factors such as unstable power, accidents, tampering or force majeure, nor wearing parts consumed in normal operation — sealing knives and cutting blades, Teflon tape, heaters, filters and screens.

Installation, commissioning and operator training are arranged by Miroplastic, and an operating manual is supplied with each machine. Technical support is available by telephone and email during the warranty period and thereafter. Spare parts and consumables are available from Miroplastic.

Photographs are for reference only. Miroplastic reserves the right to improve the specification of its machines without prior notice. Actual output depends on the material, width and thickness run.

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